落花生品種改良

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摘　要：88 年秋作及 89 年春作，進行人工雜交各 6 組合，獲 548 粒及 1,440 粒 F_1 種子，品系第一年試驗，株行試驗各有 167 品系及 145 品系晉二行試驗，二行試驗有 64 品系及 42 品系晉級。品系第二年試驗，88 年秋作與 89 年春作試驗結果各有 NS9687 等 43 品系及 NS9769 等 37 品系之乾莢果產量高於對照品種-台南 11 號及台南 12 號。品系第三年試驗，88 年秋作及 89 年春作第Ⅰ組土庫試區分別有 NS9719 等 3 品系及 NS9761 等 4 品系，四湖試區有 NS9717 等 9 品系與 NS9741 等 4 品系，第Ⅱ組土庫試區分別有 NS9761 等 4 品系及 NS9870 等 7 品系，東勢試區有 NS9731 等 5 品系及 NS9809 之乾莢困產量較對照品種-台南 11 號、台南 12 號為高。2. 89 年秋作品種改良各項試驗如期進行，將陸續收穫。

Improvement of peanut Varieties

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Abstract: The results of this fiscal year's experiment were summarized as follows. (1) Twelve crosses between the large-seeded germplasm lines, high yielding and the best quality cultivates were made and 1988 of F_1 seeds were obtained. (2) There were 312 promising lines in plant-to-row-to plant cultivated method and 108 promising lines in plant-to-two rows-to plant cultivated method were selected in F_6 generation. (3) In the fall crop of 1999, pod yield of 43 promising lines included NS9687 had significantly higher pod yield than the checks, Tainan No.11 and Tainan No. 12. In the spring crop of 2000, 37 promising lines included NS9769 were selected by this way. (4) Promising lines were evaluated in a series of trials conducted at the experimental farm of Tainan DAIS and/or Yun-Lin Hsien, the major peanut production area to further test their yielding stability in diverse growing environments. In the fall of 1999, 3 promising lines included NS9719 in Tu-Ku area were selected because of their significantly higher pod yield than the checks, Tainan No.11 and Tainan No.12. In class Ⅰ, pod yield of 9 promising lines such as NS9717 had significantly higher than the checks in Su-Hu area. In class Ⅱ, pod yield of 4 promising lines included NS9761 at the other farm in Tu-Ku area and 5 promising lines such as NS9731 in Tong-Su area had significantly higher pod yield than the check. In the spring of 2000, 4 promising lines included NS9761 in Tu-Ku area and 4 promising, line which was NS9741 in Su-Hu area were selected at class Ⅰ test because of their significantly higher pod yield than the checks. Four promising lines included NS9761 at the other farm in Tu-ku area were selected at class Ⅱ test by their significantly higher pod yield than the checks. One promising line such as NS9741 in Tong-Su area were selected at class Ⅱ test because of high yield. (5) Each of peanuts breeding experiment has been according to schedule proceeds, In the fall crop of 2000.